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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Eric Chao XU

Application No.: 10/677,545

Examiner:

Filing Date: October 2, 2003

Group Art Unit: 1625

For: **MULTI-STAGE AP MECHANICAL PULPING  
WITH REFINER BLOW LINE TREATMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of the above-identified application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

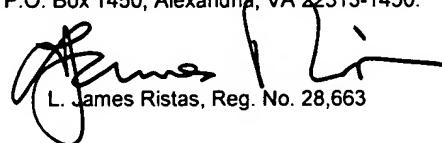
This Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to herein or submitted herewith is "prior art" for this invention unless specifically designated as such. In particular, applicant does not believe that 6,881,299 is effective as a reference.

In accordance with 37 CFR 1.97(b), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

Mailing Receipt

I hereby certify that this correspondence is being deposited on the date given below with the United States Post Office Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date October 18, 2005

  
L. James Ristas, Reg. No. 28,663

A copy of any document other than U.S. patents listed on the attached PTO-1449 is supplied herewith.

The documents listed on pages 3 to 5 were among the documents cited in the technical papers listed on page 2.

Respectfully submitted,  
Eric Chao XU

By:



L James Ristas  
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Our Ref: ANDRPR/385/US

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Sheet 1 of 5

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>		Application Number		Inventor		
		10/677,545		Eric Chao XU		
		Title		<b>Multi-Stage AP Mechanical Pulping with Refiner Blow Line Treatment</b>		
		Filing Date		Group Art Unit		Docket Number
October 2, 2003		1625		ANDRPR/385/US		
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,270,976	06/02/1981	Sandstorm, et al			
	6,743,332	06/01/2004	Haynes, et al			
	6,881,299	04/19/2005	Parrish, et al			
<b>FOREIGN PATENT DOCUMENTS</b>						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>						
EXAMINER			DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

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					YES	NO	
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
	Eric C. Xu – “A New Concept in Alkaline Peroxide Mechanical Pulping”, 1999 <i>International Mechanical Pulping Conference Proceedings</i> , Houston, May 24-26, 1999. P. 5A-3.						
	Eric C. Xu – “A New Technology for Utilization of South American Eucalyptus in Paper and Board Manufacture”, 32 <sup>nd</sup> <i>ABTCP Annual Conference</i> , Sao Paulo, Brazil, October 18-21, 1999						
	Eric C. Xu – “P-RC Alkaline Peroxide Mechanical Pulping of Hardwood Part 1 – Aspen, Beech, Birch, Cottonwood and Maple” <i>PATAC annual meeting proceedings</i> , Montreal 2000						
	Eric C. Xu – “P-RC APMP Pulps from Asian Tropical Hardwoods”. Asia Paper conference proceedings, Singapore, April 23-27, 2000						
	Eric C. Xu – “Process Selection for Chemical Mechanical Pulping of Aspen” <i>PAPTAC Annual Meeting Montreal</i> , January 29-February 2001						
Eric C. XU – “P-RC APMP Pulping of Hardwood and its Comparison with Chemical Pulping” <i>Intl. Symp. Environmentally Friendly and Emerging Technologies for a sustainable pulp &amp; Paper Industry Conf. Proceedings</i> , Taiwan, April 25-27, 2000							
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	3,023,140	2/27/1962	C. K. Textor			
	4,187,141	02/05/1980	Ahrel			
	4,900,399	02/13/1990	Bengtsson, et al			
<b>FOREIGN PATENT DOCUMENTS</b>						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO	
1,173,604	09/04/1984	CANADA				
1,078,558	06/03/1980	CANADA				
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>						
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Strunk, W.G. and Meng, T., "Status Report: Pulp Bleaching with Hydrogen Peroxide During Refining". <i>Pulp and Paper</i> 60 (11): (1986).				
Xu, E.C., Sabourin, M.J., and Cort, J.B., "Evaluation of APMP and BCTMP Processes for Market Pulp Properties from South American Eucalyptus Species". <i>1996 Tappi Pulping Conference Proceedings</i> , p.705.				
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Sferraza, M.J. and Bohn, W.L., "Alkaline Peroxide Mechanical Pulping: The Pulp of the 1990's", <i>22<sup>nd</sup> ABTCP Pulp and Paper Annual Meeting</i> , (San Paulo, Brazil, November 20-24, 1989).				
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Sharpe, P.E. and Rothenberg, I., "Refiner Hydrogen Peroxide Bleaching of Thermomechanical Pulps", <i>Tappi Journal</i> 71 (5): 109 (1988).				

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		Springer, R., Huang, Y., Davies, D., Kronis, J., and Heimburger, S., "Refiner Peroxide Bleaching at Daishowa Port Angeles". <i>84<sup>th</sup> CPPA Annual Meeting Proceedings</i> , p. A11.	
		Marton, R., Geoff, S., Brown, A.F., and Granzow, S. "Hardwood TMP and RMP Modifications". <i>Tappi Journal</i> 62:1 (1979), p. 49.	
		Bohn, W. and Sferrazza, M., "Alkaline peroxide mechanical pulping: a revolution in high yield pulping". <i>1989 International Mechanical Pulping Conference Proceedings</i> , Helsinki, Finland.	
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	Xu, E.C., "Mechanical Pulping of South American Eucalyptus – Technology, Pulp Properties and Application Potential". <i>1<sup>st</sup> ABTCP Pulping Technology Conference – San Paulo, Brazil, May 5-7, 1998</i> .		